

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Cancelled, without prejudice)
2. (Cancelled, without prejudice)
3. (Currently amended) ~~The wireless mobile communication device of claim 2, wherein the wireless mobile communication device further comprises~~ A wireless mobile communication device, comprising:
 - a body casing defining an interior space, and having a photonic opening;
 - a transmit/receive section to transmit and receive communication signals;
 - first one or more light sources (LS) disposed in the defined interior space to
 - contribute to outputting a first light pulse through the photonic opening of the
 - body casing, when selectively activated/deactivated in one or more
 - operational modes, the first one or more LS being directly or indirectly
 - optically aligned with the photonic opening of the body casing, to facilitate
 - emitting of the first light pulse, during the one or more operational modes;
 - storage medium having instructions stored therein designed to selectively
 - activate/deactivate the one or more LS to contribute to outputting the first
 - light pulse;
 - a processor coupled to the one or more LS and the storage medium to execute the
 - instructions during the one or more operational modes;
 - the instructions designed to maintain at least a first of the one or more LS in an
 - activated state, to enable the wireless mobile communication device to be used
 - as a light pointer, during a pointer operational mode; and

a first mirror and a movable platform, to which a selected one of the first mirror and the first one or more light sources is attached to provide mobility for the selected one of the first mirror and the first one or more light sources, the first mirror optically coupling the first one or more light sources to the photonic opening, and the instructions are further designed to maintain the moveable platform, and therefore the selected one of the first mirror and the first one or more light sources, in a predetermined steady position, during said pointer operational mode.

4. (Currently Amended) ~~The wireless mobile communication device of claim 1, wherein the wireless mobile communication device further comprises~~ A wireless mobile communication device, comprising:

a body casing defining an interior space, and having a photonic opening;
a transmit/receive section to transmit and receive communication signals;
first one or more light sources (LS) disposed in the defined interior space to contribute to outputting a first light pulse through the photonic opening of the body casing, when selectively activated/deactivated in one or more operational modes, the first one or more LS being directly or indirectly optically aligned with the photonic opening of the body casing, to facilitate emitting of the first light pulse, during the one or more operational modes;
storage medium having instructions stored therein designed to selectively activate/deactivate the one or more LS to contribute to outputting the first light pulse;

a processor coupled to the one or more LS and the storage medium to execute the instructions during the one or more operational modes; and

a first mirror and a movable platform, to which a selected one of the first mirror and the first one or more light sources is attached to provide mobility for a selected one of the first mirror and the first one or more light sources, the first mirror optically coupling the first one or more light sources to the photonic opening, and the instructions are designed to selectively activate/deactivate

the LS, and move the moveable platform, and therefore the selected one of the first mirror and the first one or more light sources, in a coordinated manner, based at least in part on one or more user inputs, to facilitate a user in spatially painting an illumination image, using the wireless mobile communication device, during an illumination image painting operational mode.

5. (Original) The wireless mobile communication device of claim 4, wherein the moveable platform is adapted to be moveable around an axis that is substantially parallel to or co-planar with a plane occupied by the first mirror, and the instructions are designed to move the moveable platform, and therefore, the selected one of the first mirror and the first one or more light sources, relative to the axis for a predetermined angular range.
6. (Original) The wireless mobile communication device of claim 4, wherein the selected one of the first mirror and the first one or more light sources being attached to the moveable platform is the first mirror; the moveable platform is adapted to be moveable along an axis that is substantially perpendicular to a plane occupied by the first mirror; and the instructions are designed to move the moveable platform, and therefore, the first mirror, along the axis for a predetermined linear range.
7. (Original) The wireless mobile communication device of claim 4, wherein the instructions are further designed to park the moveable platform at a safety position, where any light pulses outputted by the first one or more light sources will be reflected by the first mirror back into the defined interior space and not emitted outside the wireless mobile communication device.
8. (Original) The wireless mobile communication device of claim 4, wherein the wireless mobile communication device further comprises an indicator, and the instructions are further equipped to employ the indicator to assist the user in spatially moving the wireless mobile communication device, while the instructions are selectively activating/deactivating

the first one or more LS, and moving said moveable platform and the selected one of the first mirror and the first one or more light sources, in a coordinated matter.

9. (Original) The wireless mobile communication device of claim 8, wherein said indicator comprises a selected one of one or more light emitting diodes (LED) disposed on an exterior surface of the body casing and one or more audio alerts, and the instructions are further equipped to selectively activate/deactivate the selected one of the one or more LEDs and the one or more audio alerts.

10. (Original) The wireless mobile communication device of claim 8, wherein the wireless mobile communication device further comprises an accelerometer coupled to the processor, and the instructions are further designed to factor into consideration changes in acceleration measured by the accelerometer when employing the indicator to assist the user.

11. (Original) The wireless mobile communication device of claim 10, wherein the instructions are further designed to factor into consideration changes in acceleration of the wireless mobile communication device.

12. (Cancelled, without prejudice)

13. (Currently amended) ~~The wireless mobile communication device of claim 1, where~~
A wireless mobile communication device, comprising:

a body casing defining an interior space, and having a photonic opening;
a transmit/receive section to transmit and receive communication signals;
first one or more light sources (LS) disposed in the defined interior space to
contribute to outputting a first light pulse through the photonic opening
of the body casing, when selectively activated/deactivated in one or
more operational modes, the first one or more LS being directly or
indirectly optically aligned with the photonic opening of the body

casing, to facilitate emitting of the first light pulse, during the one or more operational modes;
storage medium having instructions stored therein designed to selectively activate/deactivate the one or more LS to contribute to outputting the first light pulse;
a processor coupled to the one or more LS and the storage medium to execute the instructions during the one or more operational modes; and
the first one or more light sources comprising a first, a second, and a third laser diode to output light pulse in a red, a green, and a blue spectrum respectively, and the wireless communication device further comprises a plurality of mirrors disposed in the defined interior space, between the photonic opening and the first one or more light sources to integrate the outputted light pulses in the red, blue, green spectrums to contribute to the forming of the first light pulse.

14. (Cancelled, without prejudice)

15. (Currently amended) The wireless mobile communication device of claim 1, wherein the wireless mobile communication device further comprises A wireless mobile communication device, comprising:

a body casing defining an interior space, and having a photonic opening;
a transmit/receive section to transmit and receive communication signals;
first one or more light sources (LS) disposed in the defined interior space to contribute to outputting a first light pulse through the photonic opening of the body casing, when selectively activated/deactivated in one or more operational modes, the first one or more LS being directly or indirectly optically aligned with the photonic opening of the body casing, to facilitate emitting of the first light pulse, during the one or more operational modes;

storage medium having instructions stored therein designed to selectively
activate/deactivate the one or more LS to contribute to outputting the first
light pulse;
a processor coupled to the one or more LS and the storage medium to execute the
instructions during the one or more operational modes; and
second one or more LS to contribute to outputting a second light pulse, and a plurality
of mirrors optically aligned with the first and second one or more LS and the
photonic opening to facilitate emitting of the second light pulse.

16. (Currently amended) ~~The wireless mobile communication device of claim 1, wherein~~
~~the wireless mobile communication device further comprises~~ A wireless mobile
communication device, comprising:

a body casing defining an interior space, and having a photonic opening;
a transmit/receive section to transmit and receive communication signals;
first one or more light sources (LS) disposed in the defined interior space to
contribute to outputting a first light pulse through the photonic opening of the
body casing, when selectively activated/deactivated in one or more
operational modes, the first one or more LS being directly or indirectly
optically aligned with the photonic opening of the body casing, to facilitate
emitting of the first light pulse, during the one or more operational modes;
storage medium having instructions stored therein designed to selectively
activate/deactivate the one or more LS to contribute to outputting the first
light pulse;
a processor coupled to the one or more LS and the storage medium to execute the
instructions during the one or more operational modes; and
a small range diffuser complementarily disposed at least a selected one of said first
one or more light sources and said photonic opening, to narrowly diffuse the
first light pulse.

17. (Original) The wireless mobile communication device of claim 16, wherein the small range diffuser comprises a small range diffusion lens disposed at the photonic opening.

18. (Currently amended) The wireless mobile communication device of claim 4, wherein the wireless mobile communication device is a selected one of a wireless mobile phone and a personal digital assistant equipped with wireless mobile communication capability.

19. (Cancelled, without prejudice)

20. (Cancelled, without prejudice)

21. (Cancelled, without prejudice)

22. (Currently amended) ~~The method of claim 21, wherein the method further comprises~~

In a wireless mobile communication device, a method of operation, comprising:

entering a first functional mode of operation;

facilitating user communication with another user of another communication device,

using the wireless mobile communication device, during the first functional mode of operation;

entering a second functional mode of operation;

emitting at least one light pulse from the wireless mobile communication device,

during the second functional mode of operation;

selectively activating/deactivating first one or more light sources (LS) to contribute to

outputting a first light pulse;

maintaining at least a first of the one or more LS in an activated state, to enable the

emitted first light pulse be used as a light pointer; and

reflecting a first of the at least one light pulse off a first mirror, and maintaining a

moveable platform to which a selected one of the first mirror and the first one or more LS is attached to provide mobility for the selected one of the first

mirror and the first one or more light sources, in a predetermined steady position.

23. (Currently amended) ~~The method of claim 19, wherein the method further comprises~~

In a wireless mobile communication device, a method of operation, comprising:

entering a first functional mode of operation;

facilitating user communication with another user of another communication device,

using the wireless mobile communication device, during the first functional mode of operation;

entering a second functional mode of operation;

emitting at least one light pulse from the wireless mobile communication device,

during the second functional mode of operation; and

reflecting a first of the at least one light pulse off a first mirror, and moving a moveable platform to which a selected one of the first mirror and the first one or more light sources is attached to provide mobility for the selected one of the first mirror and the first one or more light sources, in a coordinated manner, based at least in part on an illumination image a user desires to paint spatially, using the wireless mobile communication device.

24. (Original) The method of claim 23, wherein said moving of the moveable platform comprises moving the moveable platform relative to an axis for a predetermined angular range, the axis being substantially parallel or coplanar to a plane occupied by the first mirror.

25. (Original) The method of claim 23, wherein said moving of the moveable platform comprises moving the moveable platform along an axis for a predetermined linear range, the axis being substantially perpendicular to a plane occupied by the selected one of the first mirror and the first one or more light sources.

26. (Original) The method of claim 23, wherein the method further comprises parking the moveable platform at a safety position, where any light pulse outputted by the first one or

more light sources is reflected by the first mirror back into an interior space defined by the body casing, and not emitted outside the wireless mobile communication device.

27. (Original) The method of claim 23, wherein the method further comprises providing an indicator to assist the user in spatially moving the wireless mobile communication device, while the first one or more LS and the moveable platform/first mirror are being selectively activated/deactivated and moved respectively, in a coordinated matter.

28. (Original) The method of claim 27, wherein said indicator comprises a selected one of one or more light emitting diodes (LED) and one or more audio alerts disposed on an exterior surface of a body casing of the wireless mobile communication device, and said provision of the indicator comprises selective activation/deactivation of the one or more LEDs.

29. (Original) The method of claim 27, wherein the method further comprises receiving changes in acceleration of the wireless mobile communication device, measured by an accelerometer of the wireless mobile communication device, and factoring into consideration the measured changes when employing the indicator to assist the user.

30. (Currently amended) ~~The method of claim 19, wherein the method further comprises~~
In a wireless mobile communication device, a method of operation, comprising:

entering a first functional mode of operation;

facilitating user communication with another user of another communication device,

using the wireless mobile communication device, during the first functional
mode of operation;

entering a second functional mode of operation;

emitting at least one light pulse from the wireless mobile communication device,

during the second functional mode of operation; and

integrating a first, a second, and a third light pulse of a red, a green, and a blue
spectrum respectively to form one of the at least one light pulse.

31. (Cancelled, without prejudice)

32. (Cancelled, without prejudice)

33. (Currently amended) ~~The method of claim 31, wherein said emitting comprises~~ In a wireless mobile communication device, a method of operation, comprising:

entering a first functional mode of operation;

facilitating user communication with another user of another communication device,

using the wireless mobile communication device, during the first functional mode of operation;

entering a second functional mode of operation;

emitting at least a first and a second light pulse from the wireless mobile

communication device, during the second functional mode of operation,

comprising

selectively activating/deactivating first and second one or more light sources

(LS) to output a first and a second light pulse, with the outputted first and second light pulses being directed at a first and a second mirror respectively;

reflecting the first and second light pulses by the first and second mirrors to emit the first and second light pulses.

34. (Currently amended) ~~The method of claim 19, wherein the method further comprises~~ In a wireless mobile communication device, a method of operation, comprising:

entering a first functional mode of operation;

facilitating user communication with another user of another communication device,

using the wireless mobile communication device, during the first functional mode of operation;

entering a second functional mode of operation;

emitting at least one light pulse from the wireless mobile communication device,
during the second functional mode of operation; and
narrowly diffusing the at least one light pulse being emitted.